

PUSHING INTO THE COUNTRY

Trolley Lines Reaching for Urban Business in the East.

CHALLENGING STEAM TO A CONTEST

Electric Road Connecting Large and Small Cities and Gobbling the Traffic of Steam Roads—The Battle Royal.

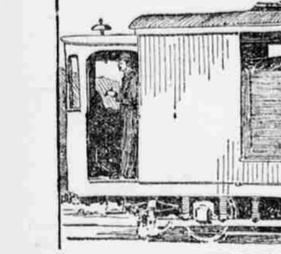
Measured by the experience of similar enterprises in the east, there is very little reason to doubt the success of the projected trolley line from Omaha to Fremont.

The extension of trolley lines from large cities is one of the serious problems confronting managers of steam roads.

Companies have been organized to connect New York and Philadelphia and New York and Boston with trolley lines, practically paralleling existing steam roads.

WHAT CITIES LEAD IN THE TROLLEY.

It is hard to say in which of the great cities the trolley has been most notably developed.



TROLLEY FREIGHT CAR.

first underground electric railway in America; the Brooklyn surface system is a marvel of intricacy and extensive mileage.

New York and Chicago are far behind most other cities as regards the trolley.

Wherever the trolley tracks parallel those of the old steam lines, it has been noticed that the trains run lighter than ever before.

THE BATTLE ROYAL.

Now the trolley men are getting ready to put up a big fight with steam for long distance transportation.

Already the steam railroad people understand this, and are preparing to themselves supplant steam with electricity.

Trolley men generally understand that many problems have yet to be solved before long-distance electric traction will be a success.

MAIL, EXPRESS AND FREIGHT BY TROLLEY.

White the steam lines are getting ready to fight the trolleys with their own weapons, the latter have already invaded the field of

press and twice freight. No doubt there will be a still further increase as the proper legislation is enacted.

PROGRESSIVE REVOLUTION.

No such momentous development as that achieved in electric traction could possibly take place without working a revolution in more than one contributory industry.

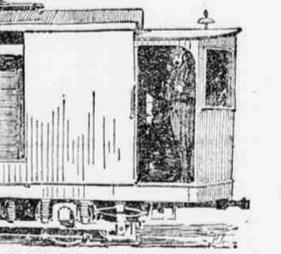
The wheels of horse cars merely roll over the rails, thus wearing them but slightly; but the wheels of the trolley cars bite the metal at every turn.

Of course there have been enormous demands for dynamo, switch-boards, cars, railroad ties and sleepers and wooden and iron poles, and equally of course, the brains of hundreds, perhaps thousands, of men.

RELATIVE COST.

Statistics of the cost of operating electric roads are furnished by the railroad commissions in Massachusetts in recent annual reports.

It stands a similar chance of financial success with a well located and well managed railroad.



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ELECTRICAL POSSIBILITIES.

After describing and illustrating in his article on Nikola Tesla's work in the April Century, the process and apparatus employed for manipulating the electrical charge of the earth itself.

It is not surprising that the inventor has been able to do this with a most magnificent display of fiery aereas and lightning discharges breaking out from the tip of the wire.

INDUSTRIAL NOTES.

In order to give employment to the hundreds of idle men now in San Francisco, the merchants of that city are pushing forward a movement to pave all the streets.

Manufacturing is rapidly growing in Salt Lake. There are according to the statistics furnished by the Tribune, 203 establishments devoted to the manufacture of finished articles.

THE LOCKOUT IN THE ENGLISH BOOT AND SHOE INDUSTRY.

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growths, electrical application exemplifies this. After many years' use of dynamo-electric machinery, which is based upon a "continuous current," the art has reached the conclusion that only with the "alternating current" can the latter duties be performed.

BOOKS AND PERIODICALS.

The publishers of Chips take umbrage at our remark made in a previous number to the effect it contains "selected extracts from best current magazines."

The importance of perfect points is explained in the Law, Order and Art in Dress department of this popular journal.

"Our Civic Renaissance" is the title under which Albert Shaw in the April number of the Review of Reviews outlines the work of various federations of citizens.

"The Single Tax" is the title of a new variety of copies of the day are able to discern, among them "The Pacific Railway Debt," "Has the Missing Link Been Found?"

Not since the flood, so graphically described in the old testament as such a catastrophe as Mr. Jean T. van Gestel relates, been told by an eyewitness.

The leading place in the April number of the Monthly Illustrator is given to an article by Prof. H. J. Wood on "The Electric Light," comparing and contrasting the resemblances and diversities of character which are found in the ordinary domestic and industrial lamps.

The April Midland Monthly is a fine number artistically. It is also full of good reading. A young lady's "outing in South Africa" and a Chicago journalist's "trip to the Black Hills," are its chief illustrated articles.

"In the Valley of the Peace," a prize story of rare power. The poetry, social and the novelists, the poet, the essayist, a service the value of which cannot be estimated in money.

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THE ELECTRICAL MAGICIAN

Inventor Tesla's Wonderful Work Described by an Expert.

WHAT THE RECENT FIRE SWEEP AWAY

The Combination Steam Engine and Dynamo and Its Practical Operation—The New Method of Creating Light.

The current number of the Century Magazine contains an article on "The Latest Electrical Inventions and Discoveries of Nikola Tesla," written by Thomas C. Martin, editor of the Electrical Engineer.

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Advertisement for Orchard & Wilhelm Carpet Co. featuring 'The New Department Store' and 'Our Easter Offerings are many, but we name only a few which hold good the year round. HONEST VALUES, LOW PRICES, CORRECT STYLES, IMMENSE SELECTIONS, WEEKLY PAYMENTS. What more can we do to make you happy?' Includes images of furniture and a stove.

Advertisement for Dr. Bailey Dentist, featuring a large illustration of a dental chair and the text 'DR. BAILEY DENTIST' and 'Paxton Block'.

Advertisement for Orchard & Wilhelm Carpet Co. featuring 'NOW that we are launched in the furniture business and show, we want you to come and criticize us. We know we can't make a success of the furniture business without you, so we shall be under many obligations if you will come and tell us how you like our new stock. We want to please you and are coming at it through your pocket-book.' Includes images of a large building and a smaller building.